

University of Edinburgh

Cognitive Science Mini-Conference

Welcome and Coffee (10:30-11:00; 7 George Square, G26)

June 19

11:00-12:00

Perception (S37; All presentations 15 min + 5 min Q/A)

Presenter	Affiliation	Talk Title
Alex Doumas	University of Edinburgh	<i>Towards a theory of human visual reasoning</i>
Jasna Martinovic	University of Edinburgh	<i>Decoding colour from human EEG reveals signatures of contrast rather than hues or categories</i>
Robert Neal	Apple	<i>The Effect of Data Visualizations on Statistical Inferences and Decisions</i>

Political cognition (G26)

Presenter	Affiliation	Talk Title
Greta Sanna	University College London	<i>Rational or Biased? Examining Belief Updating in Politically Charged Contexts Using Bayesian Network Models</i>
Adam Moore	University of Edinburgh	<i>Political Identity and Moral Values: Asymmetries in Disengagement and Hypocrisy</i>
Calvin Deans-Browne	University College London	<i>Belief in the Claim of a Political Argument Predicts the Perceived Strength of the Argument</i>

Lunch (12:00-13:30; G26)

13:30-14:30

Cognition in applied settings (S37)

Presenter	Affiliation	Talk Title
Mengxuan Qiao	University College London	<i>Cause and Blame Attribution to AI and Human Agents in a Mental Health Context</i>
Chiara Bonacchi	University of Edinburgh	<i>Can heritage museums foster tolerance? A study of visitors' beliefs and ideologies</i>

Communication and Learning (G26)

Presenter	Affiliation	Talk Title
Bonan Zhao	University of Edinburgh	<i>Exploration, Combination, Communication: A New Paradigm for Studying Conceptual Innovation</i>
Victor Btesh	University College London	<i>Taking others for granted: Balancing personal and presentational goals in action selection</i>
Kenny Smith	University of Edinburgh	<i>Communicative pressures shape language during communication (not learning)</i>

Coffee break (14:30-15:00; G26)

15:00-16:00

Reasoning (S37)

Presenter	Affiliation	Talk Title
Tris Papakonstantinou	University College London	<i>Trade-offs in the revision of belief networks</i>
Ana Ma	Arizona State University	<i>Can Large Language Models predict associations among human attitudes?</i>
Dan Lassiter	University of Edinburgh	<i>Pragmatic intrusion in probability judgment</i>

Modeling social cognition (G26)

Presenter	Affiliation	Talk Title
Maximilian Maier	University College London	<i>Learning from Consequences Shapes Reliance on Moral Rules vs. Cost-Benefit Reasoning</i>
Danqin Zhao	University of Edinburgh	<i>Integrating Specialist Judgments With and Without Mentalizing</i>

Amanda Rotella

Northumbria University

A Context-Integrated Theory of Moral Regulation: Reputation Management through a Bayesian Updating Process

Food + Drinks at Satyr at 18:30 (food provided by Uwagboe's Kitchen)

June 20: Dress for a hill walk!

10:00-11:00

AI (S37)

Presenter	Affiliation	Talk Title
Kate McCurdy	Saarland University	<i>Language without brains: A Saussurean view of LLMs</i>
Maithilee Kunda	University of Edinburgh	<i>Visual Thinking in AI and Some Thoughts on Neurodiversity</i>
David Abel	DeepMind	<i>Plasticity as the Mirror of Empowerment</i>

Gender And Cognition (G26)

Presenter	Affiliation	Talk Title
Artemis Deligianni	University of Edinburgh	<i>Lay perceptions of misogyny: Individual differences in sexism endorsement and feminism identification predict judgements of misogynistic content</i>
Z. Ferguson	University of Washington	<i>Measuring the Neglect of Non-prototypical Targets of Sexual Harassment Through Mouse Tracking</i>
April Bailey	University of Edinburgh	<i>Social category prototypes reflect real-world statistical regularities AND social bias</i>

11:15-12:15

Higher-order cognition (S37)

Presenter	Affiliation	Talk Title
Fahd Yazin	University of Edinburgh	<i>Prefrontal Cortex performs Bayesian inference for learning cognitive maps across domains</i>
Tianshu Chen	University College London	<i>Like a Moth to a Flame: Task-Irrelevant Causality Influences Visual Perception</i>
Jana Tomastikova	University of Edinburgh	<i>From Imagining to Seeing: The influence of visual mental imagery on perception during binocular rivalry</i>

Counterfactual Thinking (G26)

Presenter	Affiliation	Talk Title
Madeleine Horner	University of Edinburgh	<i>Exploring the Intuitive Theory of Empathy</i>
Greta Mohr	University of Strathclyde	<i>Causal Counterfactual Reasoning in Everyday Medical Decision-Making</i>
Tadeg Quillien	University of Edinburgh	<i>Resource-rational mindreading</i>

Hike up Arthur's seat departing 7 George Square at 12:30
